

FINE-TUNABLE MIXING LIGHT FOR LIGHT EMITTING DIODE

Abstract

A fine-tunable RGB mixing LED has a red LED unit electrically connected to a first embedded variable resistor, a green LED unit electrically connected to a second embedded variable resistor, and a blue LED unit electrically connected to a third embedded variable resistor. The spectrum of the RGB mixing LED can be fine-tuned using a laser to trim the first, second and/or third embedded variable resistors.